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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/712,381	11/13/2000	Thomas H. Kong	019680-000900US	9016
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EXAMINER

TRAN, TAM D

ART UNIT

PAPER NUMBER

2676

DATE MAILED: 02/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/712,381

Applicant(s)

KONG, THOMAS H.

Examiner

Tam D. Tran

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Ruehle et al., hereinafter simply Ruehle.

2. In regard to claim 1, 7, 11, 17 and 18, Ruehle teaches a method of generating pixels in a graphics system comprising: providing a plurality of sub-samples; see col.8 lines 30-42; memory for storing sub-sample; see col. 9 lines 45-47; providing a source pixel; determining which of the plurality of sub-samples are covered by the source pixel, and which of the plurality of sub-samples are not covered by the source pixel; filtering the sub-samples which are covered by the source pixel; see col.5 lines 60-67; blending the filtered sub-samples with the source pixel to create a blended sub-sample; see abstract; and filtering the sub-samples which are not covered by the source pixel together with the blended sub-sample.

3. In regard to claims 2, 3, 14, Ruehle teaches a method of generating pixels in a graphical system, wherein the filtering the sub-samples which are covered by the source pixel, it is inherent that filtering is done by averaging the sub-samples.

4. In regard to claim 4, 5, 9 Ruehle teaches a method of generating pixels in a graphical system, having blending and filtering, it is inherent that the weighting is needed for blending sub-sample.

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5. In regard to claim 6, Ruehle teaches a method of generating pixels in a graphical system, it is inherent that comprising replacing the sub-samples which are covered by the source pixel with the blended sub-sample.

6. In regard to claim 8, Ruehle teaches a method of generating pixels in a graphical system, it is inherent that the first filter and second filter are averaging circuits.

7. In regard to claim 10, Ruehle teaches a method of generating pixels in a graphical system, It is inherent that the blender output provides a new sub-sample, and where the new sub-sample replaces in memory the sub-samples covered by the image.

8. In regard to claims 12, 13, Ruehle teaches a method of generating pixels in a graphical system, the sub-sample memory stores a plurality of sub-samples which are associated with a pixel, and wherein the graphics pipeline provides a source pixel, and determines which of the sub-samples associated with the pixel are covered by the source pixel, and which of the sub-samples associated with the pixel are not covered by the source pixel, see col.8 lines 30-42.

9. In regard to claim 15, Ruehle teaches a method of generating pixels in a graphical system, it is inherent that the second filter filters the sub samples at its first input and the blend at its second input.

10. In regard to claim 16, Ruehle teaches a method of generating pixels in a graphical system, it is inherent that the second filter further comprises an output for providing a pixel

11. In regard to claim 19-21, Ruehle teaches a method of generating pixels in a graphical system, it is inherent that third number is one, and the first number is 4 and 8.

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Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is **703-305-4196**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Matthew Bella** can be reached on **703-308-6829**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)


Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Tam Tran

Examiner

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MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600